Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/09/2021 09:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125122	0	1.12	125055	1.1
Blue	F	SSC	125000	123474	-2	2.3	123848	2.19
Blue	E	FITC	13131	12643	-4	2.13	290	15.19
Blue	D	PE	24112	23816	-2	1.57	546	10.37
Blue	B	PerCP-Cy5-5	31295	30568	-3	2.92	1011	13.7
Blue	A	PE-Cy7	19939	19923	-1	5	528	28.22
Red	C	APC	42122	41770	-1	2.97	1751	11.27
Red	A	APC-Cy7	22340	21557	-4	3.29	805	11.47
Violet	B	V450	7410	7092	-5	3.23	430	12.86
Violet	A	V500	28118	26749	-5	2.88	667	9.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23188	1.01	558	-11	N/A	N/A	Pass
Blue	F	SSC	57576	0.98	511	-1	N/A	N/A	Pass
Blue	E	FITC	55	53.22	480	-7	0.0460	135	Pass
Blue	D	PE	116	36.16	483	-5	0.4919	369	Pass
Blue	B	PerCP-Cy5-5	189	35.41	579	-7	0.0235	161	Pass
Blue	A	PE-Cy7	106	67.21	622	-6	0.0239	7	Pass
Red	C	APC	405	23.22	576	0	0.0283	132	Pass
Red	A	APC-Cy7	182	27.86	549	-2	0.0068	1572	Pass
Violet	B	V450	60	64.56	459	6	0.0540	2118	Pass
Violet	A	V500	97	35.94	470	5	0.0268	1177	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.88	-31.44	0.98
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	16.07	13.60 - 20.40	N/A	N/A	29.78	30.18	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10152

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments